Configuration Management in the FAA

What do we need to make CM work?

A Single, Agency CM Approach

➡ **Integral to Operations, Maintenance and Acquisition**

Single

Organization Responsible for CM, Reporting to ATS and ARA

Consistent

and Balanced Application of Process and Policy

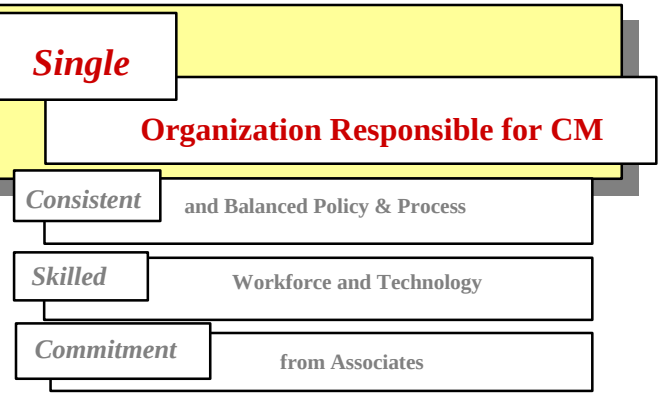
Skilled

Workforce and Technology to Effectively Perform CM

Commitment

from Associates and all levels of the organization

Organization Progress



28 July 99 ASD-200 becomes ACM-1..

What does this mean?

- *Single, independent authority working <u>with</u> those responsible for CM in acquisition and operations organizations*
- *Accountable to ATS and ARA*
- *Ensure the vertical and horizontal integration necessary for effective CM of the NAS in its entirety*

ACM Goals

- *Establish a CM system that meets the needs of the Agency*
- *Ensure consistency of CM implementation and compliance with CM process*
- *Ensure that CM is integral to FAA infrastructure and business practices*
- *Raise the visibility of CM to the ATS/ARA Level*

Core CM Implementation Groups

CMSG

a chartered, Agency-wide forum of senior managers dedicated to the establishment and promotion of an integrated FAA CM discipline that supports the FAA mission.

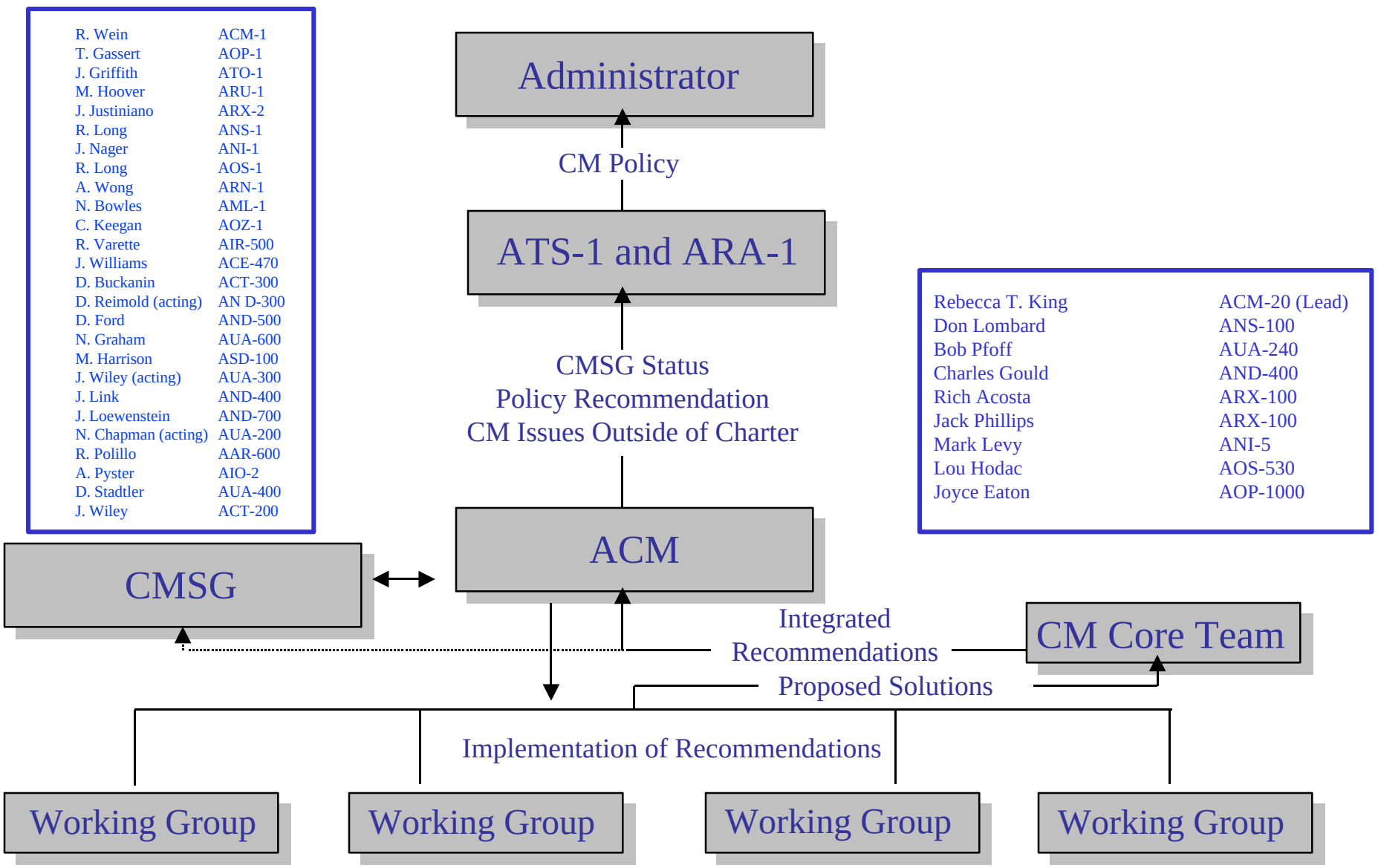
CM Core Team

CM practitioners sponsored by the CMSG to help realize the strategic FAA CM Vision through Agency CM Program Planning.

CM Working Groups

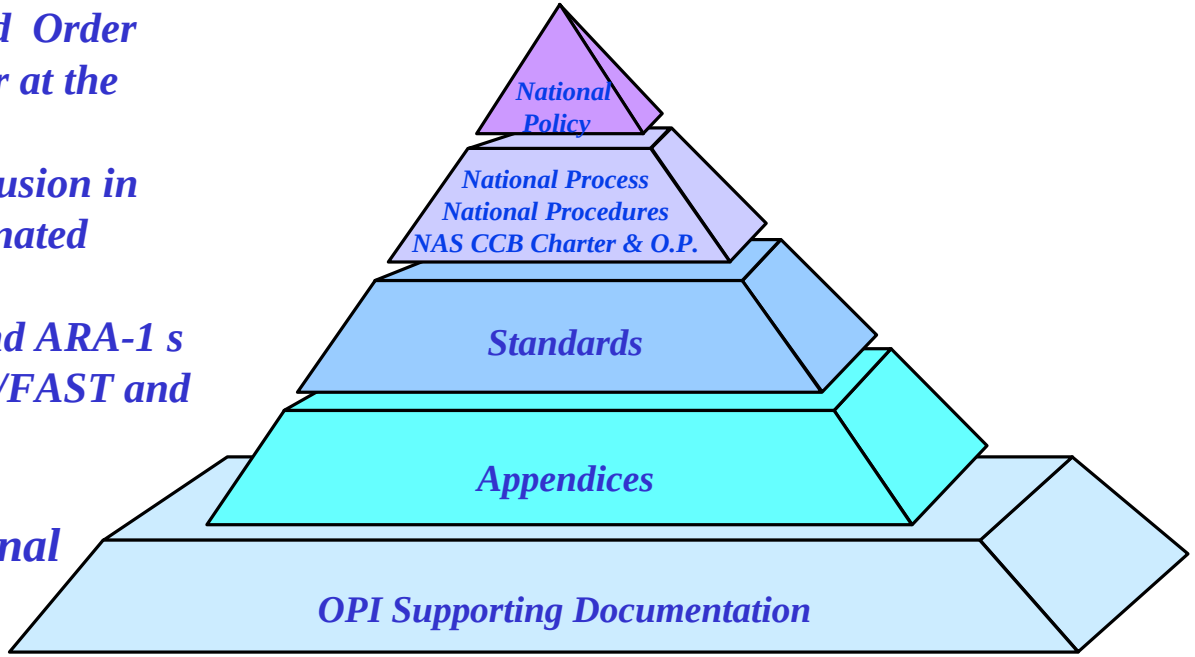
CM practitioners who provide subject matter expertise for the implementation of an enhanced Agency CM program.

Organizational Structure



Policy Status

- **Policy**
  - *CM Policy Packages for AMS and Order will be presented to the Administrator at the same time*
  - *Policy approved by ASAG for inclusion in AMS on July 26 and is being coordinated within ASU*
  - *Order 1800 approved by ATS-1 and ARA-1 s*
  - *Publication of CM Policy in AMS/FAST and CM Order*



- **Process** *developed by cross functional Working group*
  - *Endorsed by CMCT & CMSG*
  - *Will be placed on FAST and in Order*

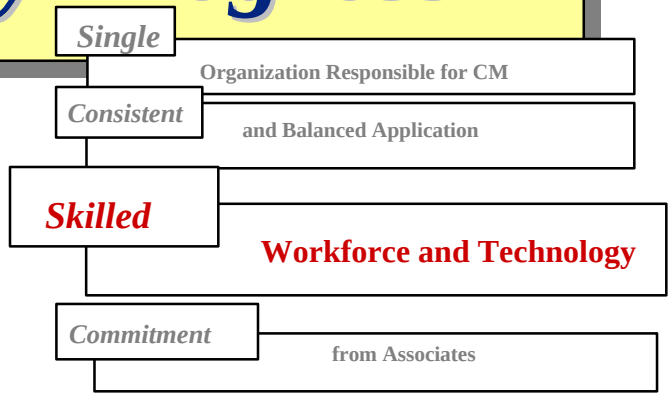
- **Procedures** *(50) to be drafted by 12/99*
  - *Will be placed on FAST and in Order*

- **CM Program Plan** *under CMSG Review & Comment*
  - *Supports Procedure Development*
  - *Obtain ATS/ARA Approval*

NAS CCB

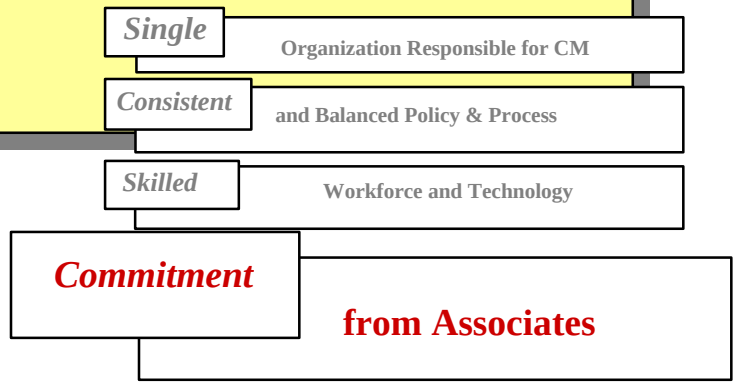
- *NAS CCB more responsive, aggressive*
- *Strengthening decision making*
- *Identifying hierarchy/ relationships*
- *Addressing systemic issues*
  - *CV-4400, TARDIS, etc.*
- *Technical Architecture under development - working interim strategy.*
- *CCB Charter, Operating Procedures updated*

Workforce & Technology Progress



- *CM Training Program*
  - *–Needs survey conducted*
  - *–Training Plan being developed*
- *CM Web Page Established*
- *EDMS Tool Procurement with ANS*

Commitment Progress



- *More organizations are "doing their own CM" - change processing and CCB administration*
  - *All regional CCBs and 9 of 12 Headquarters CCBs are chartered*
- *Process Improvements*
  - *NCP prescreening (e.g., Farm team process)*
  - *New Requirements Validation*
  - *Must Evaluation*
  - *Revised Case File/NCP & CCD forms*
- *ARA goals being met*
  - *Reduce NCP Processing time by 40%*
    - *Achieved 43%*
  - *Reduce Open CCD actions by 40%*
    - *Achieved 42% to date*
    - *Coordinating with AOP on Mod Tracking Program*

Backups

Change Control Board (CCB) Structure

NAS CCB

- NAS Systems Rqmts(SR-1000)
- NAS Technical Architecture
  - Requirements Data Base
  - Subsystem Architecture
- Interface Control Documents
- CCB Charter Approval
- Standards
- Interface Requirements Document

Life Cycle Support CCBs:

PSF

- Power Cond. Sys.
- E/G
- UPS
- Facilities

AND 300

AND 400

AND* 500

AND 700

Regional

- ATCT/TRACON As-Built Drawings
- AFSS As-Built Drawings
- ARTCC Drawings
- Changes to Critical Power Panels
- Documentation Describing
- Region-Unique Equipment

AUA 300

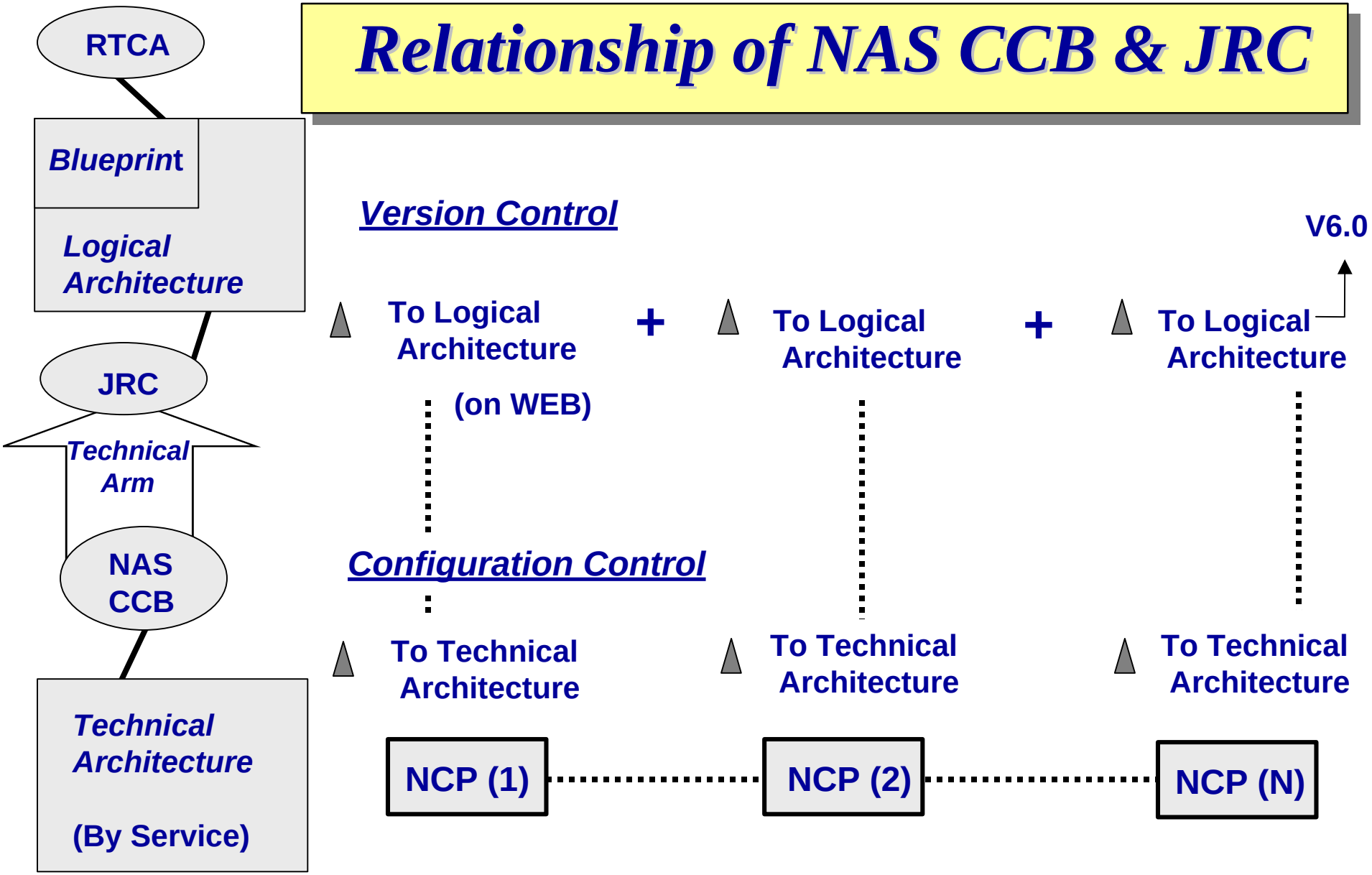
AOZ* 1

AUA 400

AUA 200

AUA 600

- Project Specs/Documentation
- Technical Instruction Books
- EEM Handbooks
- Maintenance Handbooks

*New
CCB to be established

Relationship of NAS CCB & JRC